



# Power Mac G4 Cube

The performance of the Power Mac G4. The simplicity of iMac. A personality all its own. Welcome to the Power Mac G4 Cube, the revolutionary desktop computer that could only have come from Apple.





# Power Mac G4 Cube



## Features

### Outstanding performance

- 450-MHz PowerPC G4 processor with Velocity Engine
- 1MB of backside level 2 cache
- 64MB of high-performance memory
- 20GB Ultra ATA/66 hard disk drive<sup>1</sup>
- DVD-ROM drive with DVD-Video playback
- ATI RAGE 128 Pro graphics card with 16MB of graphics memory, Apple Display Connector, and VGA connector
- All-digital speaker system with Harman Kardon audio technology

### Elegant design

- Small footprint for convenient desktop use
- No-fan cooling system maintains a quiet working environment
- Apple Display Connector for easy display hookup and reduced desktop clutter
- Optical mouse for precision cursor control; works on nearly any surface and features a unique design that makes clicking extremely comfortable
- Easy access for adding memory or an AirPort Card

### Easy, professional-quality Desktop Movies

- Apple iMovie software for fun, fast creation of your own movies
- Easy connection to digital video camcorders through FireWire

### Versatile connectivity

- Built-in 10/100BASE-T Ethernet networking for broadband access
- Built-in 56K V.90 modem<sup>2</sup>
- AirPort ready for easy wireless networking<sup>3</sup>
- Two FireWire ports and two USB ports for plug-and-play peripheral expansion

### Choice of three stunning displays

- 17-inch (16-inch viewable) Apple Studio Display with Natural Flat Diamondtron CRT
- 15-inch flat-panel Apple Studio Display
- 22-inch flat-panel Apple Cinema Display

Introducing a work of art and an unparalleled engineering accomplishment. With the Power Mac G4 Cube, Apple has concentrated the amazing power of the G4 processor into a stunning compact crystal cube that delivers maximum performance per cubic inch.

The PowerPC G4 processor with Velocity Engine puts supercomputer performance right on your desktop—just what you need to create high-end graphics, play today's hottest games, and make your own digital video movies. The Power Mac G4 Cube comes with a powerful ATI RAGE 128 Pro card for stunning 2D and 3D graphics. For heart-thumping audio with your movies and games, we've included all-digital speakers with Harman Kardon audio technology.

Despite its power, the G4 Cube is amazingly unobtrusive. A revolutionary no-fan design makes it whisper quiet. The ingenious Apple Display Connector (ADC) reduces desktop clutter by putting power, video, and USB signals on a single, slim cable.

A computer as innovative as the G4 Cube demands monitors to match, so we offer three outstanding displays. All use the single-connection ADC for simple setup. The 17-inch (16-inch viewable) Apple Studio Display features a Natural Flat Diamondtron CRT that reduces glare and provides images of extraordinary sharpness. The 15-inch flat-panel Apple Studio Display features an amazing liquid crystal screen that delivers a pure digital image from the G4 Cube, with no image degradation and absolutely no flicker. And the 22-inch all-digital Apple Cinema Display—the largest LCD monitor available—gives you more than two pages of workspace and retains its brilliant colors over a wide range of viewing angles.

Just connect a DV camera, and the G4 Cube becomes the ultimate desktop movie studio. Apple iMovie software lets you capture and edit video, then enhance it with incredible-looking titles, transitions, soundtracks, and effects. Video professionals can add Apple's award-winning Final Cut Pro software.

As you'd expect from Apple, the G4 Cube gives you lots of options for accessing the Internet. It has both an Ethernet port (great for connecting to a DSL or cable modem) and a 56K modem.<sup>2</sup> Or add an AirPort Card and take advantage of Apple's high-speed wireless technology to access the Internet from almost anywhere within a 150-foot radius of an AirPort Base Station.<sup>3</sup>

The Power Mac G4 Cube. Apple redefines the desktop computer, again.



## Specification Sheet

### Power Mac G4 Cube

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## Technical Specifications

### Processor

- 450-MHz PowerPC G4 processor
- Velocity Engine vector processing unit with 162 integrated Single Instruction Multiple Data (SIMD) instructions
- Full 128-bit internal memory data paths
- Powerful floating-point unit supporting single-cycle, double-precision calculations
- Data stream prefetching operations supporting four simultaneous 32-bit streams
- 1MB backside level 2 cache running at 225 MHz
- 100-MHz system bus supporting up to 800-Mbps data throughput

### Memory

- 64MB of PC100 SDRAM (3.3-volt, unbuffered, 64-bit-wide, 168-pin, running at 100 MHz)
- Three DIMM slots support up to 1.5GB of PC100 SDRAM (999MB maximum per application in Mac OS 9), using up to 1.38-inch (35-mm) DIMMs as follows:
  - 32MB, 64MB, or 128MB DIMMs (64-bit-wide, 64-Mbit technology)
  - 128MB or 256MB DIMMs (64-bit-wide, 128-Mbit technology)
  - 512MB DIMMs (64-bit-wide, 256-Mbit technology)

### Storage

- 20GB 5400-rpm Ultra ATA/66 hard disk drive<sup>1</sup>
- DVD-ROM drive for playback of DVD movies, DVD-ROM and DVD-RAM discs, and CDs

### Graphics support

- ATI RAGE 128 Pro graphics card with 16MB of SDRAM graphics memory installed in a dedicated AGP 2X graphics slot
- Support for up to 1920- by 1200-pixel resolution at 32 bits per pixel (millions of colors)
- Apple Display Connector (ADC); carries analog and digital video, USB, and power
- 15-pin mini D-Sub VGA connector

### Communications

- 10/100BASE-T Ethernet connector (RJ-45)
- Built-in 56K V.90 modem card<sup>2</sup>
- Optional 11-Mbps AirPort Card; IEEE 802.11 DSSS compliant<sup>3</sup>
- Optional AirPort Base Station containing 56K modem and 10BASE-T Ethernet port<sup>3</sup>

### Peripheral connections

- Two 400-Mbps FireWire ports; includes 4-pin-to-6-pin FireWire cable for connecting DV camcorder
- Two USB ports (12 Mbps each)

### Speakers and audio

- Digital amplifier and speakers with Harman Kardon audio technology
  - Total power output: 20W
  - Frequency response: 80 Hz to 20 kHz
  - Single USB cable carries both power and audio; plugs into USB port on the G4 Cube or a display with ADC
  - Removable covers protect speaker cones
  - Digital amplifier module includes locking loop for theft prevention and minijack for connecting stereo headphones
- Support for external third-party FireWire and USB digital audio peripherals such as microphones, speakers, and MIDI devices

### Keyboard and mouse

- Apple Pro Keyboard with full-size function and navigation keys, audio controls, and media-eject key
- Apple Pro Mouse
  - Optical sensor provides precision cursor control
  - Features a comfortable design that allows virtually the entire upper surface to be clicked
  - Works on a wide variety of surfaces
  - Has no mouse ball to require cleaning

### Electrical requirements and agency approvals

- Line voltage: 115V AC (90V to 132V AC) or 230V AC (180V to 264V AC)
- Frequency: 47 to 63 Hz, single phase
- Maximum continuous power: 225W
- EPA ENERGY STAR compliant

### Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -40° to 116° F (-40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Altitude: 0 to 10,000 feet (0 to 3,048 m)

### Size and weight

- Height: 9.8 inches (24.8 cm)
- Width: 7.7 inches (19.5 cm)
- Depth: 7.7 inches (19.5 cm)
- Weight: 14.0 pounds (6.4 kg)<sup>4</sup>



## Specification Sheet

### Power Mac G4 Cube

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## Ordering Information

### Power Mac G4 Cube

Order No. M7642LL/A

Includes Apple Pro Keyboard, Apple Pro Mouse, speakers, power adapter, FireWire camcorder cable, RJ-11 modem cable, VGA adapter; Mac OS 9, Setup Assistant, QuickTime, iMovie 2, Microsoft Internet Explorer, Netscape Communicator, FAXstf, and Palm Desktop; complete setup, learning, and reference documentation; and limited warranty. Also includes 30 days of free Internet service through EarthLink.

Product contains electronic documentation. Backup software provided on CD-ROM.

## Build-to-Order Options

You can purchase the prebuilt system above, or you can order a custom-configured computer from your authorized Apple reseller or the online Apple Store. Build-to-order options can include the following; however, availability can vary. Check for up-to-date information at [www.apple.com/store](http://www.apple.com/store).

Processor	Memory	Hard Disk Drives <sup>1</sup>	Other Options
450 MHz	64MB	20GB Ultra ATA/66 (5400 rpm)	AirPort Card
500 MHz	128MB	30GB Ultra ATA/66 (7200 rpm)	
	256MB	40GB Ultra ATA/66 (7200 rpm)	
	384MB		
	512MB		
	768MB		
	1GB		
	1.5GB		

## For More Information

For more information about this product, or to find out where to buy Apple products, visit [www.apple.com/hardware](http://www.apple.com/hardware) on the World Wide Web or call 800-538-9696. To purchase products from the Apple Store, go to [www.apple.com/store](http://www.apple.com/store).

Visit the Macintosh Products Guide at [www.apple.com/guide](http://www.apple.com/guide) for the latest information on more than 17,000 hardware and software products for your new computer.

Apple offers a free suite of Internet services, including iReview, iCards, and iTools, to help you get more out of using the web. Visit [www.apple.com](http://www.apple.com) to sign up.

Safeguard your Power Mac G4 Cube for three full years with the optional AppleCare Protection Plan. You'll benefit from a host of services, including powerful diagnostic software tools, online support, regular email updates, and Apple's toll-free helpline. And for most problems, no problem: We'll fix your hardware for the next three years. You have the assurance of being helped by Apple certified technicians using genuine Apple parts—and the reassurance of knowing that your computer is covered. For more information, visit [www.apple.com/support](http://www.apple.com/support).

Other available options include the AirPort Base Station, Philips USB Digital Microphone, and Harman Kardon SoundSticks speakers and subwoofer.

## Apple Displays

- Apple Studio Display (17-inch CRT; 16-inch viewable area); order no. M7770ZM/A
- Apple Studio Display (15-inch flat panel); order no. M7928ZM/A
- Apple Cinema Display (22-inch flat panel); order no. M8058ZM/A

<sup>1</sup> For hard drive capacity measurements, 1GB = 1 billion bytes; actual formatted capacity less.

<sup>2</sup> Actual modem speeds lower; speed depends on connection rate and other factors.

<sup>3</sup> Wireless Internet access requires AirPort Base Station and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort, including America Online. Range may vary with site conditions.

<sup>4</sup> Weight varies depending on configuration and manufacturing process.



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## Apple

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